

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P158139

Luminaire Tested: **VTS-E07-LED-E1-SL2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158139
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33712)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-E07-LED-E1-SL2-7030
Description: VENTUS LED SITE LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (147) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

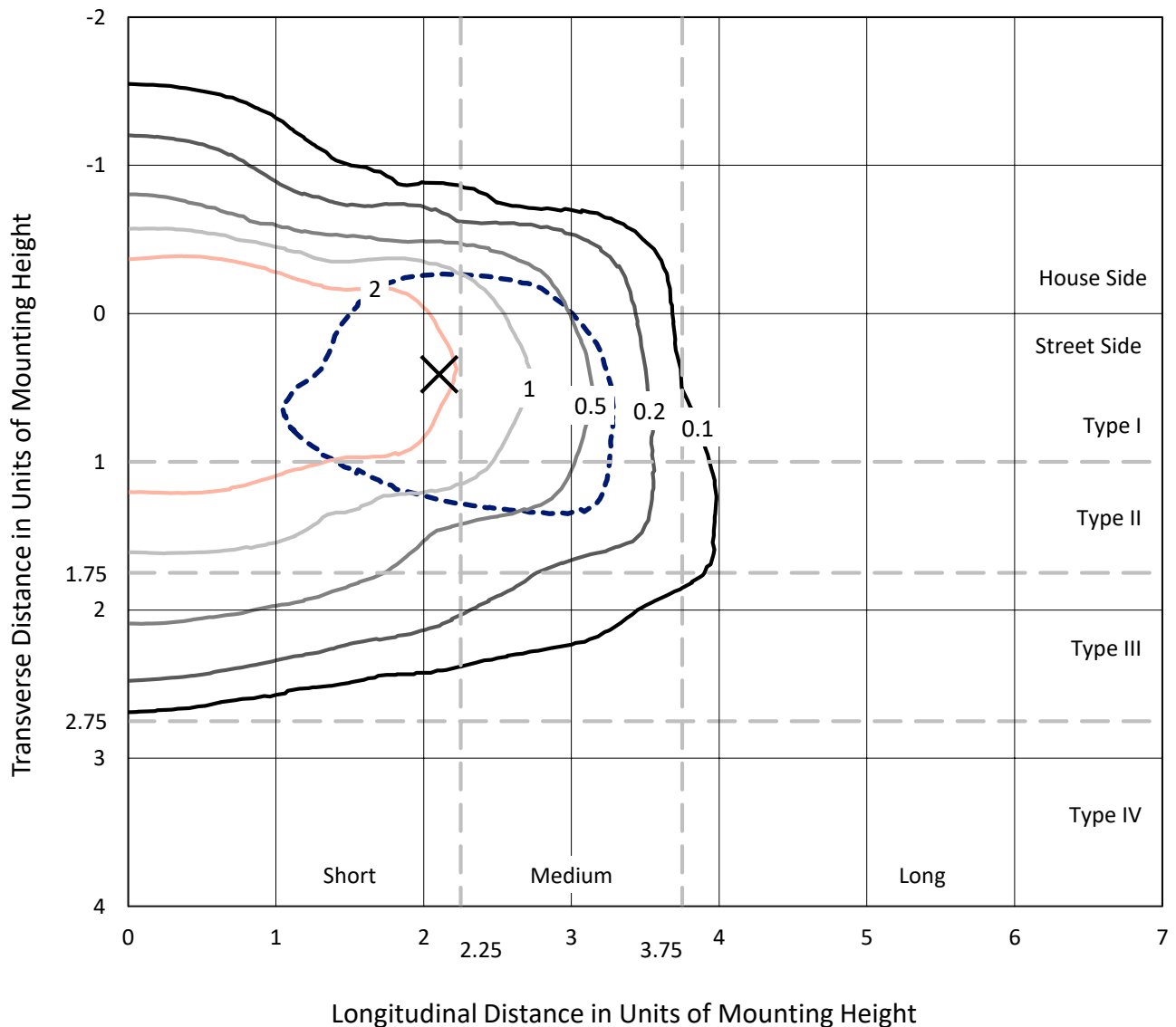
Lumens per Lamp: N/A
Luminaire Lumens: 19236.4 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 172.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

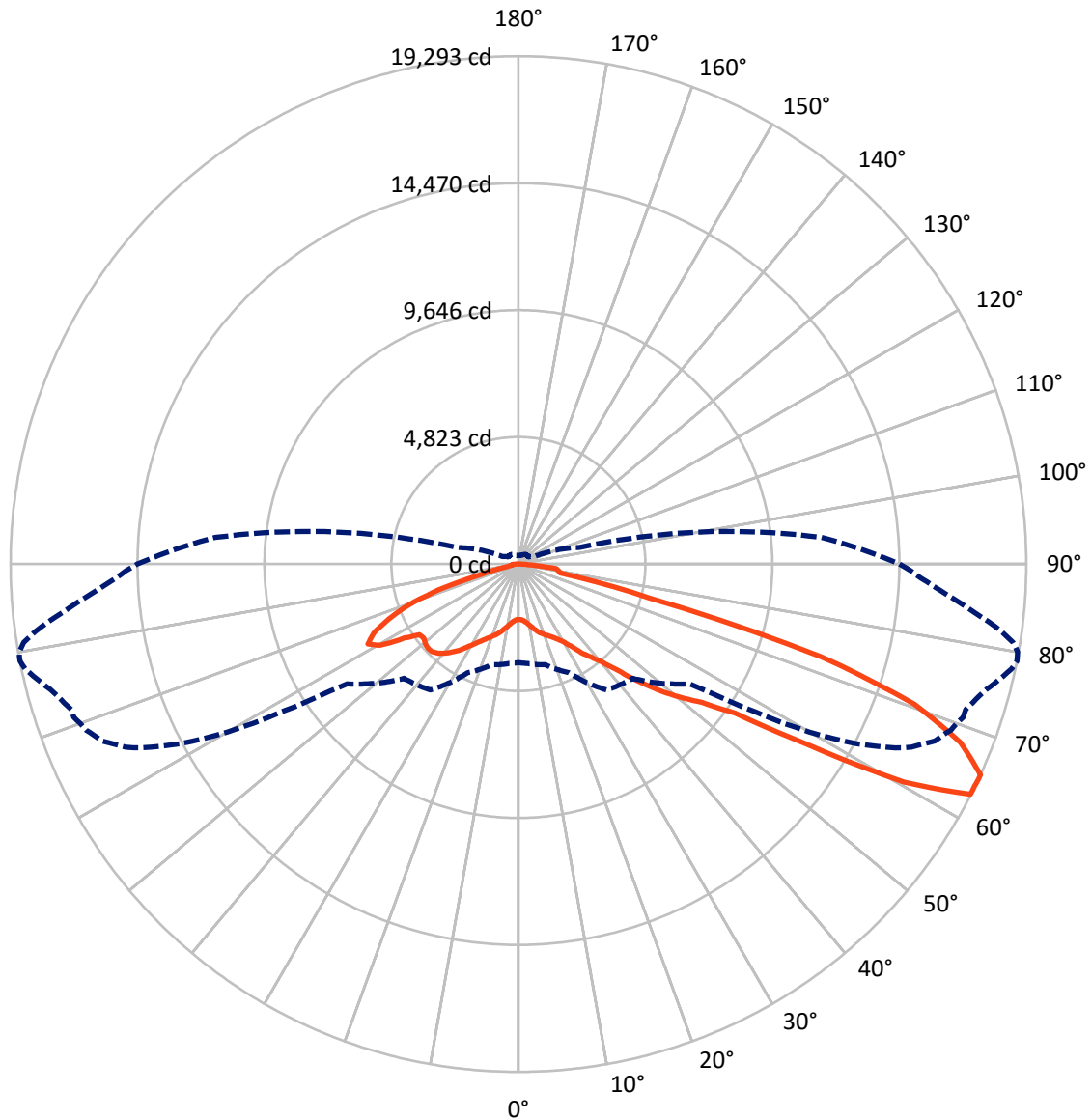
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4420.2	0.0	4420.2
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	14816.2	0.0	14816.2
	% Fixture	77.0	0.0	77.0
Total	Lumens	19236.4	0.0	19236.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.2	1.1
10°-20°	676.3	3.5
20°-30°	1165.9	6.1
30°-40°	1909.7	9.9
40°-50°	3198.1	16.6
50°-60°	4325.9	22.5
60°-70°	5327.4	27.7
70°-80°	2062.2	10.7
80°-90°	362.7	1.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	19236.4	100.0
0°-180°	19236.4	100.0



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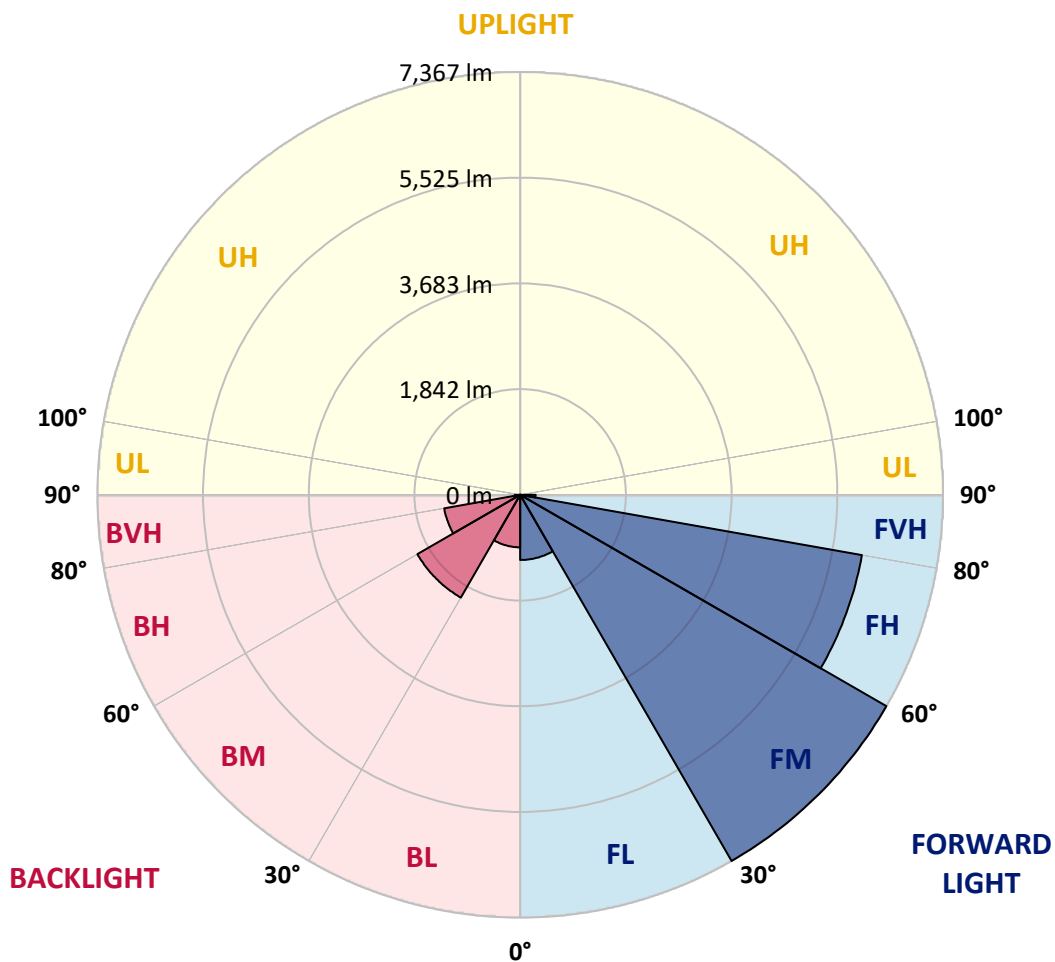
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1135.7	5.9			
FM (30°-60°)	7366.7	38.3			
FH (60°-80°)	6044.8	31.4			G3/7500
FVH (80°-90°)	269.1	1.4			G3/500
BL (0°-30°)	914.8	4.8	B2/1000		
BM (30°-60°)	2067.1	10.7	B2/2500		
BH (60°-80°)	1344.8	7.0	B3/2500		G3/2500
BVH (80°-90°)	93.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7
2.5°	2108.6	2102.2	2108.6	2113.7	2117.5	2122.6	2121.3	2120.1	2118.8	2120.1	2120.1
5°	2126.5	2125.2	2131.6	2136.7	2145.6	2152.0	2159.7	2159.7	2159.7	2158.4	2161.0
7.5°	2184.0	2182.7	2189.1	2194.2	2201.9	2214.7	2224.9	2230.0	2228.8	2228.8	2228.8
10°	2278.6	2273.5	2273.5	2273.5	2283.7	2292.7	2315.7	2318.3	2323.4	2320.8	2322.1
12.5°	2370.7	2372.0	2368.1	2364.3	2365.6	2383.5	2416.7	2423.1	2424.4	2428.2	2430.8
15°	2453.8	2452.5	2443.6	2434.6	2446.1	2476.8	2520.3	2531.8	2531.8	2539.5	2544.6
17.5°	2530.5	2528.0	2511.3	2496.0	2507.5	2559.9	2627.7	2635.4	2646.9	2650.7	2655.8
20°	2621.3	2616.2	2597.0	2556.1	2556.1	2627.7	2717.2	2724.9	2735.1	2737.7	2746.6
22.5°	2747.9	2735.1	2694.2	2620.0	2599.6	2682.7	2792.7	2796.5	2804.2	2814.4	2822.1
25°	2891.1	2893.7	2827.2	2698.0	2653.3	2740.2	2865.5	2871.9	2886.0	2893.7	2902.6
27.5°	3039.4	3043.3	2969.1	2808.0	2732.6	2819.5	2964.0	2971.7	2988.3	2997.3	3011.3
30°	3208.2	3213.3	3141.7	2979.3	2864.3	2935.9	3109.8	3130.2	3144.3	3155.8	3178.8
32.5°	3613.6	3582.9	3533.0	3360.4	3178.8	3173.7	3345.1	3368.1	3387.3	3411.5	3433.3
35°	4123.8	4143.0	4168.5	4052.2	3892.3	3776.0	3790.0	3777.3	3795.2	3831.0	3852.7
37.5°	4527.8	4570.0	4681.3	4756.7	4750.3	4727.3	4512.5	4512.5	4524.0	4504.8	4502.3
40°	4845.0	4871.8	5099.4	5392.2	5639.0	5760.5	5590.4	5566.1	5578.9	5480.5	5484.3
42.5°	5008.6	5048.3	5375.6	5889.6	6379.4	6769.4	6717.0	6700.3	6662.0	6637.7	6622.3
45°	5091.7	5139.1	5529.1	6234.9	6948.4	7550.7	7821.7	7819.2	7784.7	7756.5	7743.7
47.5°	5049.5	5090.5	5506.0	6339.7	7247.6	8054.5	8654.2	8691.3	8681.0	8721.9	8738.6
50°	4773.4	4825.8	5242.6	6113.4	7122.3	8252.7	9230.9	9299.9	9393.3	9452.1	9530.1
52.5°	4524.0	4567.5	4943.4	5746.4	6710.6	8091.6	9578.7	9720.6	9848.5	9968.7	10062.0
55°	4263.2	4306.6	4636.5	5365.4	6295.0	7615.9	9737.2	9944.4	10143.9	10347.2	10533.9
57.5°	4164.7	4210.7	4456.2	5070.0	5954.9	7144.0	9815.2	10155.4	10480.1	10825.4	11183.4
60°	4420.4	4461.4	4648.0	5077.7	5695.3	6672.2	9657.9	10192.4	10751.2	11320.2	11870.1
62.5°	4342.4	4364.2	4596.9	5263.1	6026.5	6206.8	8976.4	9682.2	10494.2	11327.9	12170.6
65°	3746.6	3788.8	3963.9	4549.6	5841.1	6144.1	7938.1	8647.8	9605.5	10591.4	11720.5
67.5°	2687.8	2629.0	2764.5	3277.3	4531.7	6133.9	6769.4	7294.9	8045.5	8801.2	9727.0
70°	1221.1	1193.0	1299.1	1704.5	2733.8	4847.5	5723.4	5901.2	6179.9	6688.8	7314.1
72.5°	482.1	480.8	549.8	704.6	1292.8	3120.0	4813.0	4915.3	5013.7	5235.0	5504.8
75°	315.8	315.8	336.3	379.8	636.8	1506.3	4071.4	4164.7	4315.6	4378.2	4493.3
77.5°	237.8	239.1	248.1	258.3	351.6	792.8	2873.2	3204.4	3460.1	3650.7	3790.0
80°	168.8	176.5	193.1	199.5	228.9	451.4	1623.9	1863.1	2152.0	2460.2	2847.6
82.5°	126.6	135.5	163.7	171.3	181.6	257.0	732.7	831.1	970.5	1258.2	1809.3
85°	58.8	65.2	112.5	122.8	131.7	148.3	372.1	415.6	471.8	516.6	602.3
87.5°	9.0	6.4	19.2	26.9	42.2	43.5	127.9	152.2	165.0	198.2	205.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7
2.5°	2120.1	2121.3	2122.6	2120.1	2121.3	2121.3	2118.8	2117.5	2117.5	2117.5	2118.8
5°	2161.0	2163.5	2161.0	2162.3	2167.4	2166.1	2163.5	2162.3	2167.4	2168.7	2164.8
7.5°	2233.9	2235.2	2230.0	2236.4	2239.0	2240.3	2240.3	2242.8	2242.8	2246.7	2242.8
10°	2327.2	2327.2	2336.2	2334.9	2336.2	2338.7	2340.0	2345.1	2349.0	2349.0	2351.5
12.5°	2434.6	2435.9	2444.9	2446.1	2451.2	2452.5	2460.2	2455.1	2467.9	2467.9	2471.7
15°	2545.9	2554.8	2556.1	2568.9	2571.4	2572.7	2583.0	2583.0	2591.9	2593.2	2595.7
17.5°	2655.8	2663.5	2668.6	2678.9	2687.8	2691.6	2695.5	2703.2	2709.5	2712.1	2718.5
20°	2750.5	2758.1	2763.3	2773.5	2781.2	2787.5	2791.4	2800.3	2806.7	2809.3	2818.2
22.5°	2829.7	2834.9	2843.8	2857.9	2860.4	2868.1	2879.6	2886.0	2888.6	2896.2	2906.5
25°	2914.1	2921.8	2926.9	2939.7	2949.9	2962.7	2973.0	2983.2	2985.7	2996.0	3004.9
27.5°	3026.7	3034.3	3035.6	3061.2	3071.4	3089.3	3100.8	3116.2	3123.8	3132.8	3150.7
30°	3192.9	3210.8	3218.5	3247.9	3253.0	3273.4	3293.9	3299.0	3310.5	3311.8	3341.2
32.5°	3447.3	3472.9	3483.2	3513.8	3521.5	3540.7	3552.2	3579.1	3580.3	3593.1	3599.5
35°	3864.2	3857.8	3897.4	3905.1	3928.1	3944.8	3956.3	3956.3	3980.6	3981.8	3989.5
37.5°	4433.2	4420.4	4430.7	4384.6	4396.1	4375.7	4371.8	4377.0	4366.7	4369.3	4368.0
40°	5343.6	5286.1	5226.0	5084.1	5053.4	4994.6	4948.5	4911.5	4875.6	4837.3	4811.7
42.5°	6485.5	6402.4	6312.9	6085.3	5979.2	5865.4	5754.1	5690.2	5562.3	5484.3	5442.1
45°	7682.4	7585.2	7459.9	7270.6	7119.7	6998.3	6795.0	6699.1	6500.9	6402.4	6269.4
47.5°	8663.1	8664.4	8563.4	8371.6	8210.5	8129.9	8003.3	7817.9	7592.9	7466.3	7229.7
50°	9521.1	9519.9	9513.5	9398.4	9285.9	9197.6	9086.4	8918.9	8734.7	8591.5	8320.4
52.5°	10155.4	10239.8	10275.6	10274.3	10260.2	10219.3	10134.9	9990.4	9803.7	9723.2	9507.1
55°	10679.6	10863.8	10959.7	11169.4	11188.5	11256.3	11182.1	11183.4	11073.5	11081.1	11012.1
57.5°	11473.7	11810.0	12003.1	12467.2	12700.0	12981.3	12931.4	13166.7	13252.3	13361.0	13505.5
60°	12375.2	13003.0	13460.8	14384.0	14759.9	15215.1	15465.8	15733.0	15927.4	16126.8	16273.9
62.5°	13019.6	13844.4	14596.3	15912.0	16400.5	16880.0	17195.8	17519.3	17738.0	17881.2	17987.3
65°	12756.2	13667.9	14556.6	15936.3	16468.3	16816.1	17192.0	17378.7	17597.3	17716.3	17868.4
67.5°	10839.5	11753.7	12706.3	14334.1	14890.4	15371.1	15664.0	15905.6	16082.1	16233.0	16408.2
70°	8060.9	9060.8	10045.4	11830.4	12532.4	13226.8	13572.0	13871.2	14055.4	14207.5	14400.6
72.5°	5801.4	6428.0	7043.0	9041.6	9743.6	10641.3	10999.3	11331.8	11570.9	11563.2	11767.8
75°	4618.6	4873.1	5146.7	6178.6	6682.4	7439.4	7640.2	7826.9	7714.3	7498.2	7485.5
77.5°	3845.0	3949.9	4041.9	4365.4	4439.6	4619.9	4520.2	4416.6	4082.9	3801.5	3653.2
80°	3121.3	3328.4	3464.0	3694.1	3788.8	3842.5	3856.5	3820.7	3698.0	3527.9	3256.8
82.5°	2320.8	2714.7	2983.2	3435.8	3602.1	3636.6	3703.1	3662.2	3581.6	3443.5	3249.2
85°	680.3	769.8	882.3	1196.9	1402.7	1577.9	1756.9	1845.2	1900.1	1823.4	1622.7
87.5°	239.1	269.8	301.8	415.6	442.4	534.5	524.3	618.9	622.7	649.6	621.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7
2.5°	2117.5	2117.5	2117.5	2118.8	2118.8	2118.8	2116.2	2115.0	2116.2	2118.8	2118.8
5°	2167.4	2168.7	2171.2	2166.1	2167.4	2171.2	2168.7	2167.4	2168.7	2171.2	2168.7
7.5°	2247.9	2249.2	2246.7	2251.8	2251.8	2254.3	2258.2	2254.3	2255.6	2256.9	2258.2
10°	2352.8	2354.1	2356.6	2360.5	2361.7	2364.3	2366.9	2370.7	2370.7	2368.1	2374.5
12.5°	2478.1	2476.8	2479.4	2484.5	2487.1	2490.9	2498.6	2498.6	2503.7	2502.4	2508.8
15°	2600.9	2607.2	2608.5	2617.5	2621.3	2627.7	2636.7	2641.8	2641.8	2649.4	2652.0
17.5°	2723.6	2728.7	2733.8	2741.5	2746.6	2750.5	2760.7	2767.1	2765.8	2779.9	2779.9
20°	2818.2	2828.5	2834.9	2840.0	2848.9	2855.3	2863.0	2870.7	2875.8	2884.7	2887.3
22.5°	2910.3	2916.7	2925.6	2932.0	2942.3	2949.9	2958.9	2965.3	2974.2	2985.7	2989.6
25°	3012.6	3022.8	3033.1	3042.0	3049.7	3058.6	3074.0	3088.0	3100.8	3111.1	3114.9
27.5°	3154.5	3166.0	3181.4	3187.8	3199.3	3207.0	3230.0	3247.9	3254.3	3272.2	3277.3
30°	3346.3	3359.1	3374.5	3382.1	3402.6	3412.8	3437.1	3456.3	3462.7	3484.4	3488.3
32.5°	3623.8	3631.5	3662.2	3660.9	3689.0	3718.4	3732.5	3747.8	3776.0	3787.5	3791.3
35°	4008.7	4026.6	4048.3	4047.1	4082.9	4099.5	4127.6	4144.2	4164.7	4163.4	4185.2
37.5°	4380.8	4387.2	4394.9	4411.5	4437.1	4460.1	4470.3	4486.9	4502.3	4525.3	4553.4
40°	4786.1	4801.5	4802.8	4811.7	4824.5	4853.9	4873.1	4891.0	4943.4	4976.7	4993.3
42.5°	5393.5	5389.7	5364.1	5380.7	5388.4	5433.2	5447.2	5502.2	5561.0	5631.4	5650.5
45°	6174.8	6123.6	6108.3	6101.9	6142.8	6165.8	6223.4	6325.7	6387.1	6453.6	6485.5
47.5°	7136.4	6976.5	6901.1	6884.5	6926.7	7025.1	7044.3	7145.3	7225.9	7274.5	7306.4
50°	8099.2	7973.9	7815.4	7761.7	7750.1	7840.9	7862.7	7947.1	8028.9	8043.0	8026.3
52.5°	9308.9	9104.3	8842.1	8747.5	8672.1	8678.5	8696.4	8732.2	8784.6	8762.9	8718.1
55°	10856.1	10623.4	10494.2	10315.2	10201.4	10180.9	10102.9	9995.5	9991.7	10005.8	9871.5
57.5°	13432.6	13335.5	13390.4	13371.3	13258.7	13326.5	12974.9	12875.1	12795.9	12657.8	12533.7
60°	16404.3	16504.1	16617.9	16880.0	16868.5	17131.9	16887.7	16826.3	16752.1	16326.3	16117.9
62.5°	18172.7	18212.4	18379.9	18624.1	18864.5	19116.4	19230.2	19269.9	19115.1	18767.3	18332.6
65°	17864.6	18039.8	18202.2	18413.1	18659.9	18911.8	19152.2	19292.9	19257.1	19026.9	18548.7
67.5°	16464.4	16648.6	16886.4	17107.6	17373.6	17592.2	17855.6	18113.9	18121.6	18006.5	17674.1
70°	14421.1	14634.6	14880.1	15004.2	15291.9	15490.1	15708.7	15964.5	16047.6	16061.6	15674.2
72.5°	11724.3	11813.8	11934.0	11868.8	11926.3	12052.9	11994.1	12014.6	11698.7	11757.6	11279.3
75°	7140.2	7058.4	6695.2	6364.0	5960.0	5649.3	5723.4	5130.1	4545.7	4516.3	4094.4
77.5°	3621.3	3490.8	3265.8	3031.8	2689.1	2296.5	1969.2	1616.3	1318.3	1148.3	985.9
80°	3084.2	2992.1	2868.1	2698.0	2448.7	2158.4	1817.0	1548.5	1299.1	1039.6	832.4
82.5°	2951.2	2669.9	2489.6	2347.7	2077.9	1809.3	1622.7	1438.5	1262.1	1102.2	873.3
85°	1464.1	1295.3	1095.8	971.8	748.0	585.6	548.6	451.4	420.7	324.8	273.6
87.5°	492.3	402.8	300.5	253.2	202.0	165.0	162.4	144.5	143.2	130.4	120.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7
2.5°	2117.5	2120.1	2120.1	2117.5	2118.8	2116.2	2117.5	2118.8	2115.0	2113.7	2109.8
5°	2169.9	2168.7	2168.7	2169.9	2173.8	2175.1	2168.7	2171.2	2172.5	2166.1	2152.0
7.5°	2256.9	2256.9	2260.7	2259.4	2267.1	2264.6	2263.3	2263.3	2263.3	2250.5	2227.5
10°	2374.5	2374.5	2378.4	2383.5	2384.8	2382.2	2382.2	2383.5	2389.9	2364.3	2328.5
12.5°	2506.2	2512.6	2511.3	2511.3	2526.7	2522.9	2517.7	2522.9	2529.2	2493.4	2442.3
15°	2653.3	2657.1	2659.7	2668.6	2666.1	2675.0	2677.6	2675.0	2681.4	2635.4	2549.7
17.5°	2786.3	2793.9	2796.5	2806.7	2806.7	2808.0	2818.2	2814.4	2815.7	2763.3	2640.5
20°	2896.2	2903.9	2907.7	2919.3	2921.8	2926.9	2930.8	2933.3	2939.7	2877.1	2714.7
22.5°	3006.2	3012.6	3019.0	3026.7	3036.9	3043.3	3048.4	3051.0	3062.5	2989.6	2785.0
25°	3129.0	3143.0	3149.4	3162.2	3172.4	3182.7	3190.3	3191.6	3210.8	3120.0	2842.5
27.5°	3292.6	3311.8	3322.0	3342.5	3352.7	3363.0	3360.4	3375.7	3402.6	3269.6	2887.3
30°	3507.4	3531.7	3538.1	3558.6	3575.2	3585.4	3597.0	3609.7	3627.6	3435.8	2909.0
32.5°	3806.7	3843.7	3852.7	3864.2	3888.5	3906.4	3914.1	3934.5	3939.6	3593.1	2902.6
35°	4217.1	4200.5	4244.0	4254.2	4288.7	4302.8	4311.7	4338.6	4318.1	3764.5	2860.4
37.5°	4587.9	4582.8	4625.0	4648.0	4692.8	4682.6	4704.3	4722.2	4649.3	3885.9	2782.4
40°	5040.6	5034.2	5093.0	5100.7	5169.7	5154.4	5163.4	5177.4	5015.0	3970.3	2640.5
42.5°	5672.3	5674.8	5737.5	5745.2	5754.1	5782.2	5736.2	5738.8	5403.7	3993.4	2406.5
45°	6504.7	6549.5	6511.1	6512.4	6509.8	6456.1	6398.6	6330.8	5807.8	3914.1	2104.7
47.5°	7311.6	7280.9	7232.3	7187.5	7150.4	7066.0	6981.6	6866.6	6156.9	3726.1	1768.4
50°	8002.0	7933.0	7889.5	7765.5	7677.3	7567.3	7449.7	7317.9	6443.3	3455.0	1453.9
52.5°	8643.9	8572.3	8409.9	8280.8	8154.2	8008.4	7871.6	7716.9	6696.5	3145.6	1213.5
55°	9710.4	9647.7	9485.3	9248.8	9092.8	8892.0	8711.7	8502.0	7209.3	2895.0	1054.9
57.5°	12192.3	12138.6	11797.2	11647.6	11441.7	10937.9	10863.8	10536.4	8583.8	2865.5	961.6
60°	15687.0	15456.8	15172.9	14763.8	14281.7	14115.5	13744.6	13308.6	10796.0	2946.1	886.1
62.5°	17832.6	17308.4	16891.5	16419.7	15976.0	15594.9	15189.6	14758.6	11927.6	2840.0	792.8
65°	17993.7	17377.4	16826.3	16272.6	15773.9	15299.5	14905.7	14474.8	11559.4	2441.0	671.3
67.5°	17106.3	16456.7	15855.8	15227.9	14724.1	14295.8	13794.5	13380.2	10521.1	1900.1	558.8
70°	15276.5	14706.2	14188.3	13511.9	13093.8	12572.1	12253.7	11735.8	9170.8	1295.3	461.6
72.5°	11003.1	10573.5	10404.7	9932.9	9385.6	9078.7	8931.7	8429.1	6777.1	804.3	377.2
75°	3717.2	3823.3	3580.3	3208.2	3389.8	3109.8	3223.6	2984.5	2866.8	461.6	317.1
77.5°	824.8	774.9	716.1	664.9	661.1	621.4	658.5	622.7	666.2	294.1	280.0
80°	650.9	514.0	437.3	399.0	378.5	367.0	358.0	347.8	317.1	250.6	258.3
82.5°	703.3	530.7	388.7	310.7	266.0	249.3	245.5	235.3	232.7	243.0	260.9
85°	225.0	188.0	159.8	150.9	139.4	133.0	130.4	126.6	153.4	264.7	250.6
87.5°	117.6	103.6	92.1	88.2	76.7	71.6	70.3	71.6	107.4	264.7	181.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7	2104.7
2.5°	2106.0	2104.7	2102.2	2100.9	2099.6	2093.2	2098.3
5°	2145.6	2132.9	2121.3	2107.3	2099.6	2093.2	2093.2
7.5°	2205.7	2169.9	2140.5	2108.6	2086.8	2070.2	2067.6
10°	2281.2	2212.1	2144.4	2086.8	2045.9	2015.2	2011.4
12.5°	2352.8	2247.9	2140.5	2045.9	1982.0	1938.5	1935.9
15°	2419.3	2267.1	2111.1	1971.7	1875.8	1818.3	1811.9
17.5°	2471.7	2255.6	2044.6	1868.2	1737.7	1670.0	1666.1
20°	2483.2	2209.6	1950.0	1740.3	1602.2	1530.6	1514.0
22.5°	2473.0	2126.5	1832.4	1599.6	1441.1	1369.5	1360.5
25°	2442.3	2025.4	1686.6	1436.0	1288.9	1216.0	1198.1
27.5°	2387.3	1906.5	1529.3	1277.4	1131.6	1061.3	1043.4
30°	2305.5	1763.3	1361.8	1129.1	978.2	921.9	904.0
32.5°	2191.7	1589.4	1196.9	976.9	851.6	806.9	799.2
35°	2034.4	1389.9	1024.2	851.6	759.5	732.7	728.9
37.5°	1833.6	1190.5	879.7	762.1	695.6	679.0	676.4
40°	1571.5	985.9	777.4	698.2	649.6	635.5	633.0
42.5°	1301.7	832.4	702.0	647.0	607.4	594.6	590.8
45°	1065.1	728.9	645.7	604.8	567.7	553.7	552.4
47.5°	888.7	668.8	599.7	566.5	529.4	512.8	514.0
50°	759.5	613.8	561.3	533.2	491.0	475.7	477.0
52.5°	671.3	558.8	525.5	493.6	457.8	442.4	442.4
55°	602.3	514.0	491.0	456.5	428.4	414.3	413.0
57.5°	546.0	478.2	457.8	429.6	401.5	384.9	384.9
60°	511.5	452.7	436.0	410.5	377.2	359.3	358.0
62.5°	491.0	445.0	430.9	395.1	358.0	340.1	336.3
65°	475.7	462.9	445.0	386.2	342.7	323.5	319.7
67.5°	477.0	505.1	479.5	391.3	337.6	309.4	304.3
70°	484.6	538.3	503.8	402.8	359.3	303.0	291.5
72.5°	446.3	487.2	453.9	383.6	350.4	291.5	277.5
75°	372.1	355.5	326.1	312.0	314.6	264.7	259.6
77.5°	301.8	264.7	236.6	248.1	264.7	226.3	221.2
80°	262.1	214.8	200.8	219.9	240.4	193.1	180.3
82.5°	245.5	181.6	172.6	228.9	251.9	166.2	145.8
85°	216.1	148.3	135.5	269.8	251.9	125.3	116.4
87.5°	144.5	88.2	84.4	198.2	172.6	87.0	70.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)